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No. 48] NEW DELHI, SATURDAY, NOVEMBER 26, 1977 (AGRAHAYANA 5, 1899)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके । Separate paging is given to this Part in order that it may be filed as a separate compilation.

भाग III--खण्ड 2

PART III—SECTION 2

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टो और डिजाइनों से सम्बन्धित अधिसचनाएं और नोटिस Notifications and Notices issued by the Patent Office relating to Patents and Designs

THE PATENT OFFICE

PATENTS AND DESIGNS

Calcutta, the 26th November 1977

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act

18th October 1977

- 1522/Cal/77 American Home Products Corporation Process for prepaing 1, 4 3, 6-dianhydio-D-Glucitol 2-
- 1523/Cul/77 Lucas Industries Limited Voltage and brush assembly (October 22, 1976) Voltage regulator
- 1524/Cal 77 Lucas Industries Limited Rectifier and brush assembly for an alternator (October 23, 1976)
- 1525/Cal/77 Lucas Industries Limited. Voltage regulator and brush assembly (October 23, 1976)
- 1526/Cal/77 Total Oil Great Britain Limited Safety switch assemblies (October 22, 1976)
- 1527 Cal 77 Tucas Industries Limited Multiphase full-wave (October 22, 1976) rectifici assembly
- 1528/Cal/77 Hauram Kunverji Rathore An electro-mechanical device for controlling the travel in a vertical shaft of ciges operated by an electrically operated winding engine
- 1529/Cal/77 R N Ram A transfer conveyor

22nd October 1977

1530 Cal/77 Balfour Beatty Limited Improvements relating to artificial and natural structures [Addition to No 2513/Cal/74] 347GI/77

24th October 1977

1531/Cal/77 C W Reed Apparatus and method for side stream demineralization of condensate in a steam cycle

25th October 1977

- 1532/Cal/77 Midland-Ross Corporation Cushioning device (October 17, 1977).
- 1533/Cal/77 Glowne Biulo Studiow i Plojektow Przerobki Wegla Separator Means of taking an preparation of analytical sample of granular materials and receiver-tester for implementation thereof
- 1534/Cal/77 Schubert & Salzer Maschinenfabrik Aktiengesel-Ischoft Method and apparatus for cleaning fibrous material.
- 1535/Cal/77. Moskovsky Gosudarstvenny Pedagogichesky Institut Inostrannykh Yazykov Imeni Morisa 1eza Teaching native languages Teaching machine for studying foreign and
- 1536 Cal/77 Siemens Aktiengesellschaft Improvements in or relating to superheaterodyne receivers (August 1, 1977)
- 1537/Cal/77 C J Abraham Improvements in or relating to vacuum pan boiler and a method for concerntrating sugar syrup using the same

26th October 1977

1538 Cal/77 Monsanto Company Dehydrocoupling process

APPLICATION FOR PATENTS FILED AT THE (DELHI BRANCH)

12th September 1977

235/Del 77 Glebe Super Parts | Improvements in or relating to 'tandoor' or baking oven [Addition to No 65]

(951)

14th September 1977

- 236/D·1/77 S 1 Gupta Tiregularities detector
- 237/Del/77 Council of Scientific and Industrial Research Improvements in or relating to a starch based compound binder for briquetting of char fines or like materials to produce smokeless domestic fuel

15th September 1977

238/Del/77 M/s Bayer Aktiengesellschaft Process for the mononitiation of anthraquione

17th September 1977

- 239/Del/77 Council of Scientific and Industrial Research. A process for making austenitic stainless steel containing chromium, nickel, copper and manganese
- 240/Del/77 Council of Scientific and Industrial Research Improvements in or relating to zinc-lead dioxide batteries

19th September 1977

- 241/Del/77 K R Logvist, M W Wallace and S A Noren An apparatus for utilizing kinetic energy
- 242/Del/77 Avon Industrial Polymers Limited and Westinghouse Brake and Surnal Company Limited Piston means for piston-cylinder arrangements
- 243 'Del 77 M R Chaudhary Improvement in or relating to film strip viewer with rubber belt driving mechanism

21st September 1977

- 244/Del/77 Bayer Aktiengesellschaft Process for the preparation of chlorinated polymers
- 245/Del/77 M/s Doot-Oliver Fluidized bed drying process for porous materials

23rd September 1977

- 246 Del/77 A K. Lal A process for treatment of impurities in paper-plant effluent [Divisional date September 30, 1975]
- 247/Del/77 A K Lal A process for treatment of impulties in paper-plant effluent [Divisional date September 30, 1975]
- 248/Del/77 K S Jabal and H S Jabbal A testing instrument

24th September 1977

- 249/Del/77 The Standard Oil Company Process for the preparation of unsaturated acids from unsaturated aldehydes
- 250/Del/77 The Standard Oil Company Process for the preparation of unsaturated acids from unsaturated aldehydes
- 251/Del/77 M/s Schering Aktiengesellschaft Pesticide
- 252/Del/77 R C Turpin Ji Pozzolan coment compositions
- 253/Del/77 Scheing Aktiengesellschaft. Preparation for the regulation of plant growth

26th September 1977

- 254/Del/77 7 mser Textilmaschinen GmbH A method of and apparatus for regulating an asynchronous machine
- 255/Del/77 R W Gunnerman Process for gasifying organic fibrous material and the product thereof.

27th September 1977

- 256/Del/77 American Science & Engineering, Inc. Tomography scanning with radiant energy source and detectors relatively displaced
- 257/Del '77 Asea Aktiebolng Power cable

- 258/Del/77. Asea Aktiebolag On-load tap changer
- 259/Del/77 Ruhichemic Aktiengesellschaft Process and apparatus for the satisfication of a solid fuel.
- 260/Del/77 A Bisch Process for producing a vitrous or enamelled coating on a substrate
- 261/Del/77 M/s British Industrial Plastics Ltd. Improvements in or relating to tubes and their manufacture.

28th September 1977

- 262/Del/77 Societe D'Ftudes DE Machines Thermiques— SEMT Improvements in or relating to a sucking and forcing pump
- 263/Del/77 Union Carbide Corporation Process for recovering a solid vanadate compound from an aqueous solution
- 264/Del/77 Union Carbide Corporation Gas seal for rotating grinding mill having peripheral discharge
- 265/Del/77. Union Carbide Corporation Enhanced condensation heat transfer device and method
- 266/Del/77 Union Carbide Corporation Enhanced heat transfer device manufacture
- 267/Del/77 Gunter & Cooke, Inc Improved method of carding
- 268/Del/77 Council of Scientific and Industrial Research Improvements in or relating to a process for the preparation of ammonium variadate from leach liquous for variadium bearing titansferous magnetites obtained by their salt roasting and water leaching through solvent extraction technique
- 269/Del/77 Council of Scientific and Industrial Research. A process for the preparation of variadium pentoxide from variadium bearing sludge of alumina industry
- 270/Del/77 Council of Scientific and Industrial Research Improvements in or relating to a process for the extraction of copper from solutions using solvent extraction technique
- 271/Del/77 Council of Scientific and Industrial Research Improvements in or relating to a process for the separation of copper, zinc and non-from solutions by solvent extraction technique
- 272/Del/77 V S Satyanarayana Electrical storage cells

29th September 1977

- 273/Del/77 Gesteiner Limited Improvements in and relating to planographic printing plate for dry printing (September 30, 1976)
- 274/Del/77 Gestetner Limited. Improvements in and relating to reprography
- 275/Del/77 Hazen Research, Inc Process for the production of steel
- 276/Del/77 Shell Internationale Research Maatschappi B V
 Process and reactor for the partial combustion of
 pulverized coal
- 277/Del/77 USS Engineers and Consultants, Inc Throttling molten metal teeming valve

30th September 1977

- 278/Del/77 The Standard Oil Company Preparation of maleic anhydride from four-carbon hydrocarbons
- 279/Del/77 Union Carbide Corporation and National Steel Corporation Renitrogenation of basic-oxygen steels during decarburization
- 280/Del/77 Telefonakticbolaget L M Friesson Arrangement for distribution of clock signals

- 281/Del/77 Tesa S A Improvements to micrometers for interior or internal measurements
- 282/Del/77 International Business Machiness Corporation, Rotary to linear motion conversion device (July 27, 1977)
- 283/Del/77 A N Vishwakatma A simple and cheap chemical process for getting a good tanning material from "Akhrot" leaf

1st October 1977

284, Del /77 G S Tasgaonkar A radiator fan clutch [Divisional date March 5, 1976]

3rd October 1977

- 285/Del/77 B K Gupta Cinema slide with voice
- 286/Del 77 Phzer Inc Process for conversion of trans to CIS N, N dimethyl-9 3-(4 methyl 1-piperazinyl) propylidene/thiozanthane 2 sulfonamide and recovery of the cis-isomer
- 287/Del/77 Aluminium Company of America Metal flake production
- 288/Del/77 Electrometal Acos Finos S A Process for fabrication of a consumable metallic electrode with vertical axis for remelting by the electrodag process and production of a metal ingot with chemical composition varying continuously along its axis
- F289/Del/77 D W Dolme A process for the removal of nitrogen oxides from industrial gases by use of oxidising solutions in which nitrates are the oxidiants

4th October 1977

- 290/Del/77 Fritz Buser AG Scicen printing apparatus
- 291/Del/77 Chloride Batterijen B V Smoke detector

5th October 1977

- 292/Del/77 R P Shaima, S K. Sharma and S K Sharma fram accident preventing device
- 293/Del/77 Standard Oil Company, Crystalline borosilicate (AMS-18) and process use
- 294/Del 77 Pfizer Inc Hydantom derivatives as therapeutic

6th October 1977

- 21 1) 1,7 Council of Scientific and Industrial Research An improved type of ultrasonic air transducer for automation, sensing and remote control applications.
- 296/Del 77 Union Carbide Corporation Enhanced tube inner surface heat transfer device and method
- 297/Del/77 608131 Lac Rao Parmjeet Singh Pami motor

7th October 1977

- 298/Del/77 The National Industrial Development Corporation Ltd A solar collector
- 299/Del/77 Mr A Dewan A device adapted to be used as a plug, socket of adaptor [Divisional date May 13, 1975]
- 300/Del 77 The National Industrial Development Corporation Ltd A solat energy dryer
- 301/Del/77 H A Panchal, K M Patel and D R Patel A cutting tool chain [Divisional dates October 9, 1975]

10th October 1977

302/Dcl 77 Mt G S Randhawa Elliptical sprockets

11th October 1977

- 303 Del/77 608131 I ac Rao Paimjeet Singh Pami Motor
- 304/Del/77. H Barkan Touch acticatable electrical system including a lead and a living organic antenna
- 305/Del/77 Sico Incorporated Folding table with locking
- 306/Del/77 Union Catbide Corporation and National Steel Corporation. The use of algor to piepaic low carbon, low nitiogen steels in the basic oxygen process.
- 307/Del/77 Pall Corporation Adsorbent fractionator with fail safe automatic cycle control and process.

12th October 1977

- 308/Del/77 Mis Rekha Gupta, Fixing mechanism for electrical equipments
- 309/Del/77 G Dass Gupta, Resin tools
- 310/Del/77 V K Sethi A gas lighter
- 311/Del/77 G W Elders Point attack bit
- 312/Del/77 Carrier Corporation Refrigerant compressor unit
- 313/Del/77 Imperial Chemical Industries Limited Process for the preparation of heterocyclic compounds
- 314/Del/77. Smithkline Corporation Substituted 2 H-pyran-2, 6 (3 H) dione derivatives (December 1, 1976)

APPLICATION FOR PAIFNIS FILED AT THE (MADRAS BRANCH)

11th October 1977

162/M is/77 k G Ramaswamy Improvements in or relating to a device for pulling out the fuel cut off lever of a diesel internal combustion engine or like engine

12th October 1977

- 163/Mas/77 Abdul Cadei Meeran Mohideen Brassiers with nipple covers
- 164/Mas/77 F G Rao Improvements relating to devices
 for indicating the rotational speed of revolving

13th October 1977

165/Mas/77 M L Sivapiagasam Yain winding machine.

14th October 1977

166/Mas/77 M Madhusudanan Magneto hydrodynamu (MHD) power generator, for generating electricity from atmospheric air

15th October 1977

- 167/Mas/77 Kontiki Chemicals and Pharmaceuticals (Pvt)

 Ltd Process for the production of con extractives.
- 168/Mas/77 Kontiki Chemicals and Pharmaceuticals (Pvt)
 Ltd Improvements in or relating to phonoltormaldehyde resinous compositions

17th October 1977

- 169/Mas/77 S Valdyanethan Distillation apparatus
- 170/Mas/77 S. Valdyanathan Stopcock.

18th October 1977

171/Mas/77 Mis May D'Couto Improvements in or telating to the process of manufacture of metals such as aluminium in electrolytic cells.

COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents on any of the applications concerned may at any time within four months of the date of this issue of on form 14 prescribed under the Patents Rules, 1972 before the expiry of the sail period of four months given notice to the Controller of Patents at the appropriate office as indicated in respect or each such application, on the prescribed form 15 of each opposition. The written statements of opposition should be filed along with the said notice of within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

'The classification given below in respect of each specification are according to Indian Classification and International Classification

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8, Kiran Shankar Ray Road, Calcutta in due course. The price of each specification is Rs. 2/- (postage extita if sent out of India). Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list

Typed or photo copies of the specifications together with the photo copies of drawings if any can be supplied by the putent office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office

CLASS 68E, & 107G & H

143410,

Int C1-G05f 5/00

ENGINE FUFL SUPPLY CONTROL SYSTEM

Applicant THE LUCAS ELFCTRICAL COMPANY LIMITED, OF WELL STREFT, BIRMINGHAM, 19 ENGLAND

Inventors MAI COLM WILLIAMS & ADRIAN WAISER MELADY

Application No 1742/Cal/74 filed August 3, 1974

Convention date August 11, 1973 (38153/73) UK

Apporophiate office for Opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

5 Claims

An engine fuel supply control system compusing a memory unit producing a digital output dependent on the values of one of more engine parameters, a comparator to which said output is fed, a variable frequency clock coupled to said comparator, control means responsive to the time taken for the clock to count to the digital signal in the comparator, for controlling the amount of fuel supplied to the engine and a trime control for varying the clock frequency in accordance with at least two further engine parameters to modify said time for a given output from the memory unit, said trim control comprising a transistor and means to control—the collector current thereof in accordance ith said at least two further parameters, said collector current determining—the frequency of the clock

CLASS 70 C1

143411

Int Cl-C23b 11/00, 9/00,

IMPROVEMENTS IN OR RELATING TO PROCESS FOR ANODIC PHOSPHATING OF STEEL SUBSTRATES AND ELECTROLYTIC CELL THEREFOR

Applie int COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFL MARG, NEW DELHI-L, INDIA

Inventors, MEI AY FRIYAT KOCHU JANAKI, (2) MUTHIJVEERAN SETHUKUMARI, (3) PORAIYAR SARANGAPANI MOHAN, NARAYANASWAMY KRITHIJVASAN, (4) CHAKRAVORTHI, RAJAGOPAI, (5) RFNGACHARI SRINIVASAN & KUMMATTITHIDAL SANTHANAM RAJAGOPALAN

Application No 2442/Cal/74 filed November 6, 1974

Appropriate office for Opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Delhi Branch

8 Claims

An improved process for anodic phosphating of steel substrates comprising immersing the substrate between two and electrodes of an electrolytic cell containing trisodium phosphate as electrolyte at room temperature and passing—directurent through the cell wherein the improvement comprise in providing a potential divider means in a by-pass circuit of the cell and connected to a rectifier to maintain a constant voltage across the cell.

CLASS 32F

143412

Int (1, C08f 1/28, 3/04.

PROCESS FOR THE MANUFACTURE OF POLYTHY LINE WITH MOLECULAR WEIGHT ABOVE 500 000

Applicant RUHRCHEMIE AKTIENGFSEI LSCHAFT, 42 OBERHAUSEN 13, POST BOX NO 35, FEDFRAL REPUBLIC OF GERMANY

Inventors DR HI1 MUT KOLLING, (2) DR. FRIED-RICH RAPPEN, (3) NIKOLAUS GEISER.

Application No 2477 Cal/74 filed November 11, 1974

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

6 Claims No drawings

A process for the production of polycthylene having a molecular weight of more than 500,000 by polymerising ethylene at a temperature of from 30 to 130 C, and at a pressure of from 1 to 100 atmospheres with the use of a Ziegler-type catalyst containing a titanium-111 halide and an organoaluminum compound in which the ethylene contains less than 5 ppm of oxygen and the catalyst contains the titanium-111 halide and organoaluminium compound in a molat tatio of from 1 0.2 to 1 5, the titanium-111, halide having been prepared separately and in which an alcohol in an amount of from 2 to 10 moles per kilogram of catalyst is added to the reaction mixture during the polymerisation.

CLASS 39-K

143413.

Int Cl C01b 25/18

METHOD OF MANUFACTURING WET PROCESS PHOSPHORIC ACID

Applicant DAVY POWERGAS INCORPORATED, OF NFW MULBERRY HIGHWAY, LAKE LAND FLORIDA, U.S.A.

Inventors SAMUEL VERNON HOUGHTAIING, (2) IOHN ARTHUR WAY

Application No 2533/Cal/74 filed November 16, 1974

Appropriate office for Opposition proceedings (Rule 4 Patents Rules 1972) Patent Office, Calcutta

8 Claims

A method of manufacturing wet process phosphoric acid from phosphate rock, comprising the steps of

- (1) g inding an aqueous slurry of the phosphate rock containing at least about 20 weight per cent water sufficiently that the phosphate rock will pass a 30 mesh (Tyler) screen,
- (ii) passing the slurry of ground rock to an attack tank and therein contacting and reacting the slurry with diluted sulfurnated obtained from step (vi) herein to yield a product slurry of crystalline hydrated calcium sulfate in phosphoric acid,
 - (III) removing said product slurry from the attack tank,
- (iv) subjecting said product slurry to a separation—step whereby the crystalline hydrated calcium sulfate is separated from the phosphoric acid,
 - (v) washing the separated calcium sulfate with water.

(vi) mixing the spent calcium sulfate wash water with concentrated sulfuric acid to obtain diluted sulfuric acid.

and (vii) passing the diluted sulfuric acid to step (ii) above.

CLASS 32E & 104-O

143414

Int C1-C08d 1/16, 3/04

PROCESS FOR PREPARING BUTADIENE-STYRENE COPOLYMERS OF IMPROVED GREEN STRENGTH AND LOW RUNNING TEMPERATURE.

Applicant THE FIRESTONE TIRE & RUBBER COMPANY, OF 1200 HRESTONE PARKWAY, AKRON 44317, STATE OF OHIO, UNITED STATES OF AMERICA

Inventors SHINGO FUTAMURA & THOMAS CHESTER BOUTON

Application No. 2719/Cal/74 filed December 11, 1974

Appropriate office for Opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

23 Claims

A process for preparing butadiene styrene copolymers of improved green strength and low running temperature comprising the steps of polymerizing a mixture of 40—85 per cent by weight of butadiene and 15—60 per cent by weight of styrene in a hydrocarbon solvent, while the said mixture is fed into the polymerization system containing an organolithium induator, at a rate slow enough to effect random copolymerization of at least 10 percent styrene in the resulting polymer backbone, effecting said copolymerization at a temperature in the range of 90—175 C to produce a high degree of branching in said copolymer, effecting the final 10 50 percent of the polymerization with a monomer portion containing a higher portion of styrene than is incorporate into the polymer backbone, and effecting the formation of block polystyrene at the terminals of the branches in said polymer by maintaining 50—100 percent styrene in the monomer portion during the conversion of the final ten percent of monomer to polymer.

CLASS 205-B

143415

Int C1-B60-C 25/00.

TIRE BUILDING MACHINE

Applicant N R M CORPORATION, OF 47 WEST EXCHANGE STREET, AKRON, OHIO 44308, UNITED STATES OF AMERICA

Inventor ARMINDO CANTARUTTI

Application No 744/Cal/75 filed April 14, 1975

Appropriate office for Opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta

20 Claims

In a tire building machine, an expandable tire—building drum having the bead carriers mounted for movement toward and away from opposite ends of said drum, means for expanding and contracting said drum, said tire bead carriers including means for supporting the the beads radially outwardly of the drum ends when the drum is contracted and means for synchronously moving said the bead carriers symmetrically about the centerline of said drum into piecise positions for positioning the tire beads with precision over the ends of said drum and holding the tire beads in place during expansion of said drum

CLASS 27-L & 101F

143416

Int Cl E02b 5/06

A PREFABRICATED STRUCTURE FOR FALL OF FLOWING WATER

Applicant & Inventor MANOHAR LAL SURI. OF D24, DEFFNCE COLONY, I INK ROAD, NEW DELHI-110024, INDIA

Application No 2263/Cal/75 filed November 26, 1975

Appropriate office for Opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, New Delhi.

7 Claims

A pro-fabricated structure for use in the passage of water in areas where the slope is steep and water is flowing from upstreams to down-stream, said structure being intended to prevent erosion of soil due to the rapid flow or velocity of water, the structure comprising a cistern having a base and two side panels or walls, a pair of water directing walls fitted between the side walls, a pair of water directing walls fitted to the ends of the said walls of the cistern at the up-stream end, said water directing walls being fitted above the upper edge of the bidfle vill of the cistern at the said upstream end, the base of the cistern being at a lower level than the upper edge of the bidfle wall and the lower ends of the water directing walls at the upstream end

CLASS 158-C₁

143417

Int Cl-B61g 3/18

RAILWAY CAR COUPLER

Applicant MIDI AND-ROSS CORPORATION, OF 55, PUBLIC SQUARE, CLEVELAND, OHIO 44113, UNITED STATES OF AMERICA

Inventor KENNETH LOUIS DE PENTI

Application No. 72/Cal 76 filed January 12, 1976.

Appropriate office for Opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

10 Claums

A look lifter toggle for use in a knuckle type coupler having a vertically -movable lock, comprising a shank portion and an anti-creep shoulder, characterised in that the shank portion has at its upper end a substantially horizontal trunnion extending laterally therefrom and for engaging the lock. In that the shoulder is adjacent to the trunnion and has a top abutment surface and a flit inclined surface commencing from adjacent the forward edge of the top surface and extending downwardly and inwardly to about the mid-point of the length of the toggle, the flat inclined surface being disposed at an angle of 31 to 35 degrees to the longitudinal axis of the toggle.

CLASS 48-Da & 76E

143418

Int CI-H02g 7/12

AN APPLIANCE FOR MAINTAINING LINEAR BODIES IN SPACED RELATIONSHIP

Applicant PREFORMI'D LINE PRODUCTS COM-PANY, 660 BETA DRIVT, CLEVELAND, OHIO 44143, UNITED STATES OF AMERICA

Inventor HARRISON LAMONT WILLIAMS

Application No 625/Cal/76 filed April 9, 1976

Appropriate office for Opposition proceedings (Rule 4, Patents Rules, 1972) Pitent Office, Calcutta

7 Claims

An apphance adapted to be mounted on a linear body and maintain an adjacent linear body in spaced relationship thereto comprising, an elongated rod member preformer at its ends into a pair of open pitched helical attaching elements indapting to encircle and grip said linear body said for member into mediate the helical elements being generally in the form of a rectangle having concave lateral portions defining a substantially planar spacing member, said helical elements being positioned generally centrally of said spacing member and extending in a direction generally normal to the plane of said spacing member

CLASS 201D

143419

Int Cl-C02h 1/30

IMPROVED PROCESS AND PLANT FOR TREATING ACIDIC WASTES

Applicant METALI URGICAL & ENGINEFRING CON-

SULTANTS (INDIA) LIMITED, OF RANCHI 834002, BIHAR, INDIA

Inventor MURARI RAMASWAMY MOHANRAM.

Application No 668/Cal/76 filed April 19, 1976

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

21 Claims.

An improved process for treating acidic waste for neutralising acid contents thereof comprising feeding under pressure said waste into a reaction chamber through a perforated grate provided at the bottom of said chamber, along with simultaneous supply of an into said chamber through said grate at pressure above the atmospheric pressure, said reaction chamber containing graded limestone supported on said grate, such simultaneous feeding of the acidic waste and the air through the limestone column causing a fluidized bed of limestone and facilitating the reaction, the effluent after being so treated in said fluidised bed being allowed to overflow out of said reaction chamber, into an adoming settling chamber where the suspended solids of the effluent are allowed to settle and clear effluent is taken out for discharging to public streams/sewers, or, if desired, for recirculation.

CLASS 64B;

143420

Int. Cl -H01r 15/00

AN FIFCTRICAL SOCKET

Applicant & Inventor BINDU GANDHI, OF 17, CAMAC STREET, CAI CUTTA-700017, WEST BENGAL, INDIA

Application No. 377/Cal/77 filed March 15, 1977

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

7 Claims

An electrical socket comprising a front plate with openings in correspondence with conducting sleeves disposed—within said socket, said sleeves adapted to be connected to a power source characterized in a shutter consisting of a spring loaded spindle depending therefrom, at least a first and second aim extending from said shutter, each of said arms having—a recess with a leading and trailing edge, a lug extending from said arm and in the proximity of the trailing edge of said recess is provided within said socket to open or close said openings, said shutter capable of having a lateral and angular movement.

CLASS 198B

143421

Int Cl-B03d 1/24

A DEVICE FOR SEPARATING THE CONSTITUENTS OF MIXTURES OF MATURES O

Applicant . INDIAN INSTITUTE OF TECHNOLOGY LIT, PO, MADRAS-600 036, TAMIL NADU, INDIA

Invento: DR AYYAGARI PRABHAKARA RAO

Application No. 152/Mas/76 filed August 9, 1976

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Madras Branch.

3 Claims

A device for separating the constituents of mixtures of materials comprising a container with an open mouth at the top and a drain at the bottom; at least one fluid-stream-dubble producer such as herein defined disposed within the container means for feeding a slurry of a mixture of materials, flotation reagents and water into the container, and an overflow tank surrounding the mouth of the container, the arrange ment being such that with the slurry, flotation reagents and water in the container and with the fluid-stream-bubble producer in operation, the frothable constituents of the slurry are carried with the froth over the mouth of the container into the overflow tank, by the resulting flotation action and the immuning constituents of the slurry collect at the bottom of the container for being drained away.

CLASS 28C & F & 180.

Int. Cl -F24c 5/18

IMPROVEMENTS IN OR RELATING TO PRESSURIS ED FUEL TANK

Application No 150/Mas/75 filed October 4, 1975.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Madias Branch

10 Claims.

A pressurised fuel tank which with different attachments, is adapted to be used as a pressure stove, a gas mantle burner, a liquid sprayer or the like comprising a container having an outlet and a lid, said container and lid having outward rims with holes for fixing them together so as to form a closed chamber, said closed chamber holding liquid fuel on which pressure is adapted to be exerted by a spring assembly, said spring assembly consisting of a bottom sealing plate and a top plate linked with each other by at least one coil spring, a push rod being provided with said spring assembly such that when tre said spring assembly is compressed by pushing the rod, pressure is exerted on the liquid fuel

CLASS 130-J

143423

Int Cl -C22b 15/12,

HYDROMETALLURGICAL PROCESS TO RECOVER COPPER FROM SULFIDE ORE CONCENTRATES

Applicant E I DU PONT DE NEMOURS AND COMPANY, AT WII MINGTON, DELAWARF, UNITED STATES OF AMERICA

Inventors HFNRY MARTIN BRENNECKE AND EVERETT IRA BAUCOM

Application No. 989/Cal/74 filed May 1, 1974

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

30 Claims.

A process of recovering copper from a copper-bearing minetial in the presence of iron and sulfur, comprising the steps of treating the mineral with intic and sulfuric acid to give a solution containing copper ions, followed by electrowinning copper from such solution, wherein before commencing electrowinning, the contents of ferric ion, nitrate ion and other impurities are reduced to such a low level that copper having a conductivity of at least 100% of the international Annealed Copper Standard is obtained by such electrowinning operation, said reduction of the ion contents of the solution prior to electrowinning being carried out by first reducing the content of nitrate ions to less than 1 g/1 by oxidation therewith of ferricious ion present therein to ferric ion, and then reducing the ferric ion content to less than 5 g/1 by precipitation of a jarosite

CLASS 68E, & 71E.

143424

Int C1-G25f 1/00

HILCIRONIC REGULATOR FOR MAGNETORQUE DEVICE OF AN EXCAVATOR

Applicant. TATA ENGINEERING AND LOCOMOTIVE COMPANY I IMITED, JAMSHEDPUR, STATE OF BIHAR, INDIA

Inventor JIBAN KRISHNA GUHA BARMAN Application No 294/Cal/75 filed February 17, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

5 Claims

An electionic regulator for use in a magnetorque device of an excavator having an alternator driven by the engine of

143422

PART III—SEC. 21

the excavator for supplying cuitent for magnetic solenoids of clutch coils of the magnetorque including means for stabilizing the output voltage of the alternator comprising a first transistor $T_{\rm b}$ having an emitter resistance $R_{\rm s}$ collector resistance $R_{\rm b}$ and having in the base circuit resistance, $R_{\rm b}$ and $R_{\rm b}$ in which R₂ is a potentiometer, a capacitor C₁ being a tipple feed back condensor connected between the bace and—the around to reduce ripples as shown in block X₁ (Fig. 3) and wherein the negative slope of the input-output characteristic is adjusted by the said potentiometer R₂, a section X₈ for controlling the feed and the state of the alternative and interest resulting frolling the feed current of the alternator, said section including transistor T₀ of which there is provided an emitter resistance R said resistance R_0 having in parallel therewith resistances CRL and CRR (Fig. 1), controlled by the swing/propel level of the excavator, the base circuit of the transistor. The consisting of a fixed resistance R_0 and a potentiometer R_0 and in the collector of the said transistor Tn is connected a collector to id R_{11} , transistor T_1 and T_2 connected as a darlington pair to increase the current gain, the base of transistor T_6 being connected to the collector of transistor T_6 at P_2 , a capacitor C_1 being provided in the path of the circuit which controls the field current to suppress any oscillations which may occur due to high loop current gain, the available current at the output of block X₈ being fed to the field coil of the alternator, the value of which current is adjustable by the potentiometer

CLASS 205H

143425

Int Cl-B60c 9/06, 9/08

PNEUMATIC TIRE WITH EMERGING TREAD RE-INFORCEMENT

(COMPAGNIF GENT-Applicant MICHFLIN & CIF RALE DES ESTABLISHMENTS CLERMON-FERRAND, FRANCE MICHELIN), OF

Inventor · HENRI VERDIER

Application No. 1511/Cal/75 filed July 31, 1975

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

11 Claims

A pneumatic tire having a tread reinforcement formed of at least two plies of coids which are parallel in each ply and crisscross from one ply to the other, and a tread of which the surface intended to make contact with the ground is narrower than the tread reinforcement, characterised in that

the plies of the tread reinforcement have colds arranged at angles of an absolute value at most equal to 45° with respect to the longitudinal direction of the tire, at least in the zones farthest from the equatorial plane of the tire;

on at least one side of the equatorial plane, the trend reinforcement emerges laterally from the portion of the tread not in contact with the ground, by an axial length at most equal to 50 per cent of the axial half-width of the tread, measured at the place where the tread reinforcement emerges from the tread, and

rubber surrounds the emerging portion of the tread re-inforcement on all sides, the surface of the rubber covering the radially outer face of said emerging portion, as seen in radial section, being located at a distance from the axis of rotation of the tile less than the distance from the axis of lotition to the surface of the tread intended to make contact wih the ground

CLASS 133A

143426

Int C1-B60r 18/00

IMPROVEMENTS IN OR RELATING TO AN ELECTRICALLY DRIVEN VEHICLE

MODERN PRODUCTION, BJORN ORTENOF AKERBY SKOLA 75590 UPRSALA, Applicant HEIM AB SWEDEN

BJORN ORTENHEIM Inventor

Application No. 1764/Cal/75 filed September 15, 1975

Convention date October 9, 1974/(43818/74) UK

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

9 Claims

An electrically driven vehicle including a DC electric driving motor having a pair of input terminals and arranged to rotate at a rate proportional to the voltage across its input terminals, a plurality of vehicle-borne, rechargeable electrical batteries each arranged to supply current at a predetermined nominal voltage and speed control switching means and interconcerning means connected between said sources and motor terminals, said switching means being switchable between a plurality of switching positions each conecting said sources in a respective configuration which provides a respecsolices in a respective configuration which provides a respectively different total supply voltage, said switching means being such that when they are in a first switching position, said sources are connected together in parallel and a first current flow connection pattern is established which is bidirectionally conductive, between the parallel arrangement of directionally conductive, between the parallel arrangement of direction and when said said sources and the terminals of said motor, and, when said switching means are in a second switching position, said sources are connected together in series and a second current flow connection pattern is established between the series minangement of said sources and the terminals of said motor, whereby switching from said second position to said position automatically causes said motor to begin operating as a generator and to recharge said motor to begin operating as a generator and to recharge said sources as long as said motor is rotating at a rate higher than that proportional to the voltage supplied by said sources when connected together in parallel and to recommence operating as a motor when the rate of rotation thereof reaches the value proportional to the voltage supplied by said sources when connected together in puallel, said switching means being such that when said switching means are in said first switching position, a condussaid tive path is provided which allows, during operation of said motor as a generator, the entire available charging energy therefrom to be fed into said sources

CLASS 116G

143427

Int CI-E02b 8/00.

MARINE APPARATUS HAVING TELESCOPIC LEGS

Applicant BETHLEHEM STEEL CORPORATION, AT BETHLEHEM, PENNSYLVANIA 18016, UNITED STATES OF AMERICA

Inventor RALPH EDWIN SCALES

Application No 2162/Cal '75 filed November 12, 1975

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

A matine apparatus comprising a platform and a plurality of telescopic legs for supporting said platform, each of said legs including at least one inner section which is slidably mounted within an outer section of the telescopic legs, characmounted within an outer section of the telescopic legs, characterized by a jacking mechanism mounted on the platform and selectively operatively engageable through holding means with said inner and/or outer sections of said telescopic legs for effecting relative, substantially vertical movement in either direction between said platform and said sections and between said sections themselves, said platform having guide means for all houser section of and telescopic legs for engaging the vertex. each outer section of said telescopic legs for guiding the vertical movements of the outer telescopic leg section relative to said platform, and locking means carried by one of said telescopic sections and releasably engageable with the other section for restraining relative, substantially vertical movements therebetween in either direction when a predetermined sel telescopic relationship between said sections is obtained selected

CLASS 150C

143428

Int Cl-F161 31/00

IMPROVEMENTS IN OR RELATING TO A QUICK-ACTION COUPLING FOR PIPES OR TUBES

Applicant RELIFNIC PLASTICS AND RUBBER IN-DUSTRY, ARISTOVOULOS G PETZI-TAKIS, S. A. OF THESS AI ONKIS AND CHANDRI STREET 1, MOSCHA-TON/PIRAEUS, GRFECE

Inventor CONSTANTIN GEORGE PANOURGIAS. Application No 2190/Cal/75 filed November 15, 1975. Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972). Patent Office Calcutta

16 Claims

A quick action pipe or hose coupling made of a plastic materials compusing —

- (a) a female member having a first portion for attach ment to a free end of one of two pipes to be compled and a second pornion provided with at least a pair of overcentic less as pivotally mounted thereon, each level being integrally formed with first and second projecting parts.
- (b) a male member having a first portion for attachment to a free end of the other pipe to be coupled and a second portion shaped to fit within the second portion of the female member, said male member second portion having first and second recesses—thereon shaped to receive the first and second projecting parts of each of the levers on the female member, said first projecting part on each lever being shaped to engage in the first recess to grip the male member when said levers are in their coupling position and said second projecting part on each lever having—n abutment surface which abuts against a corresponding abutment surface of the second recess to prevent relative axial movement of the male and female members when the levers are in their coupling position

CLASS 5A

143429

Int Cl A01d 7/00.

A HAND RAKE FOR AGRICULTURAL AND/OR HORTICULTURAL PURPOSES

Applicant & Inventor JOSEF BINDFR OF BAYERWAI DSTRASSE 18,8391 STRASSKIRCHEN/PASSAU, WEST GERMANY.

Application No 631/Cal 76 filed April 13, 1976

Convention date February 27, 1976/(07840/76) UK

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

25 Claims

A hand take comprising a crosshead provided with means enabling it to be litted to a handle and a row of tines of the like secured to the crosshead, said crosshead being formed of a synthetic plastics material and said tines or the like being formed of metal and each having one bent, curved of thick ened end completely embedded in the synthetic plastics material of the crosshead

CLASS 14C & D

143430

Int C1-H01m 7 00

DEVICE FOR INTRODUCING FILLERS AND TER MINAL INTO GALVANIC CLLL

Applicant & Inventor FAAT KHAFOVICH NABIULLIN 3 MYTISCHINSKAYA ULITSA, 14-A, KV. 90, MOSCOW USSR (2) EFIM MIKHAII OVICH GERTSIK, MAI() MOSKOVSRAYA ULITSA, 3, KV 92, MOSCOW USSP (3) JURY TIMOFEEVICH RODIONOV, PROSPEKT MIRA, 190 A, KV 71, MOSCOW, USSR AND VYACHES LAV ANAFOLILVICH RABINOVICH, PROSPEKT MIRA, 122 KV 27, MOSCOW, USSR

Application No 634/Cal/76 filed April 13, 1976

Appropriate office for opposition Proceedings (Rule 4, Patents Rules 1972) Patent Office Calcutta

7 Claims

A device for introducing fillers and a terminal into the case of a galvanic cell comprising a tool in the form of a nozzle with at least one concentric space and a central channel, a mechanism for the volumetric supply of fillers into the tool spaces incorporating cylinders which accommodate pistons

with rods and have stops intended to limit the travel of the latter the cylinder spaces communicating through holes with pressure lines feeding said fillers and with the tool spaces and the piston of each cylinder has a movable bushing intended to vacate the space for the fillers, the distance between said hole communicating the space of each cylinder with said pressure line and with said space of the tool being larger than the height of the metered portion of the filler, and a niech nism for creating counter pressure to resist the outflow of the filler.

CLASS 206Ha

143431

Int Cl -H04b 7/14

OUT OF STEP RELAY.

Applicant WESTINGHOUSE ELECTRIC CORPORA-TION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITISBURGH, PENNSYI VANIA 15222, UNITED STATES OF AMERICA

Inventor WALTER ALCORN ELMORE

Application No 772/Cal/76 filed May 4, 1976

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office Calcutta

8 Claims

An out of step relay for an alternating potential power transmitting system having local and remote portions sufficient with alternating potential power from local and remote power supplies, said relay comprising first and second circuit means energized from said system, said first circuit means providing an essentially square wave control quantity which is phased in accordance with the phase of the voltage at said local portion, said second circuit means providing a second essentially square wave control quantity which is phased in accordance with the phase of the voltage at said remote portion, first and second phase comparing networks energized by said control quantities and effective at first and second spaced portions of one of said control quantities, to determine the phase displacement of the other of said control quantities with respect to said one control quantity at each of its said spaced portions a phase displacement sensing circuit effective to determine the magnitude of the phase displacement of said control quantities at first and second portions of the cycle of the voltage wave of one of said voltages

CLASS 56A & G Int CI-B01d 3/40 143432

A CONTINUOUS OIL DISTILLATION PROCESS AND DISTILLATION PLANT THEREFOR

Applicant & Inventor CHONG MIN HO, C/O C M HO & CO, MAKUM JUNCTION PO & TO, ASSAM INDIA

Application No 1278/Cal/76 filed July 16, 1976

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

11 Claims

A distillation plant wherein there is provided a feeder unit, a comminutor, a rotary head compactor, a column extractor a base compactor, means for introducing steam into said column extractor, means for evacuating said steam from said column extractor to a condensor unit and a condensate separator

(i ASS 97A & F

143433

Int Cl-F27d 3/00.

ARRANGEMENT FOR COLLECTION OF FURNACE GASES FROM FLECTRICALS MELTING FURNACES

Applicant El KEM SPIGERVERKET A/S OF ELLEM HUSET, MIDDEI THUNS GATE 27, OSLO 3, NORWAY

Inventors HALLDOR OPFDAL AND LEIF KOPPFRS-TAD

Application No 103/Cal/77 filed January 25, 1977

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

7 Claims.

An electrical smelting furnace whose furnace body is surrounded near the level of its upper rim by a floor and has at least one tapping hole in its side wall, and which has a smoke hood above the furnace body, with a gap between the lower edge of the smoke hood and the upper rim of the furnace body, at least a part of the gap being covered by means of a movable screen or screens arranged to extend between the smoke hood and the floor.

CLASS 5D & 116B.

143434.

Int. Cl -A01b 77/00, 79/02,

C05f 9/02, 9/04.

DEVICE FOR TURNING & AERATING COMPOSITION MATERIALS.

Applicant: TRACTEL TIRFOR INDIA PRIVATE LIMIT-ED, 15, GANESH CHANDRA AVENUE, CALCUTTA-700013, WEST BENGAL, INDIA

Inventor: DR. PRADIP KUMAR CHAKRAVARTY.

Application No. 1010/Cal/77 filed July 5, 1977

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims.

A device for turning, aerating and moisturising heaps of composting material comprising a feed roller fitted with tines, an elevator slat and chain conveyor, a seraper arrangement for lifting the material from the floor effectively, rotating Beater Drums for breaking the lumps and projecting the particles for reforming stack or windrow, the width and height of the said reformed windrow being controlled by adjustable stacking doors, wherein also provided mist water spray nozzles over the elevator and beater drums for moisturising the material

CLASS 33C,

143435.

Int. Cl -B22c 1/18.

A PROCESS FOR PREPARING A FOUNDRY COMPOSITION.

Applicant: ASHLAND OIL, INC, AT PO BOX 391, ASHLAND, KENTUCKY 41101, U.S.A.

Inventors · RICHARD HENRY TOENISKOETTER AND JOHN JOSEPH SPIWAK.

Application No. 450/Cal/74 filed March 2, 1974

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

23 Claims No drawings

A process for preparing a foundry composition for the fabrication of porous foundry shapes which permit the escape of most of the volatiles formed during casting which comprises mixing:

- (A) at least 90% of foundry aggregate in sufficient quantity and having particle size large enough to provide sufficient porosity in the foundry shape to permit escape of volatiles from the shape during casting;
- (B) an effective bonding amount up to above 10% by weight of the aggregate of a composition comprising.
- (1) an aluminum phosphate containing boron in an amount up to about 40 mole % based upon the moles of aluminum and containing a mole ratio of phosphorous to total moles of aluminum and boron of about 2:1 to about 4:1;
- (2) an alkaline earth material containing an alkaline earth metal in the form of its simple or compound oxide or hydroxide;
 - (3) water;
- (C) and wherein the amount of said aluminum phosphate is from about 60 to about 95% by weight based upon the total weight of (1) and (2), the amount of said alkaline earth material is from about 5 to about 40% by weight based upon the total weight of (1) and (2); and the amount of said water

is from about 15 to about 50% by weight based upon the total weight of (1) and (3).

CLASS 39L & 139F.

143436.

Int. Cl -F25j 3/00,

C01b 13/08.

A PROCESS FOR RECOVERING OXYGEN FROM AN OXYGEN-CONTAINING GAS MIXTURE.

Applicant: UNION CARBIDE CORPORATION, AT 270 PARK AVENUE, NEW YORK, STATE OF NEW YORK 10017, UNITED STATES OF AMERICA

Inventor: JOSEPH TIMOTHY MULLHAUPT.

Application No. 2331/Cal/74 filed October 22, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A process for recovering oxygen from an oxygen-containing gas mixture comprising the steps of:

- (1) oxidising a reaction mass comprising an oxide of praseodymum and cerium in a dissociated state by contacting it with said oxygen-containing gas mixture thereby converting at least a portion of said reaction mass to a relatively more oxidized state,
- (2) separating as herein described the oxidized reaction mass from the oxygen-depleted gas mixture,
- (3) dissociating as herein described at least a portion of said oxidized reaction mass to form a relatively more reduced state of praseodymium-cerium oxide, thereby liberating oxygen, and
- (4) separating as herein described said liberated oxygen from said reduced state of praseodymium-cerium oxide.

CLASS 103.

143437.

Int. Cl,-C23f 13/00.

A PROCESS FOR THE PRODUCTION OF A GALVANIC ANODE BASED ON COMMERCIALLY PURE ALUMINIUM SURROUNDED BY A BACK-FILL WHICH DOES NOT PASSIVATE ALUMINIUM.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventors · DR. NARAYANASWAMI SUBRAMANYAN, DR SUBRAMANIA VENKITA KRISHNA AYYAR AND SHRI VASUDEVA SASTRI KAPALI.

Application No. 2351/Cal/74 filed October 29, 1974.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

6 Claims.

A process for the production of a galvanic anode as herein defined based on commercially pure aluminium surrounded by a back-fill as herein defined which does not passivate aluminium by (i) casting of aluminium with a central iron core in a suitable shape and size as required, (ii) surrounding the anode by the back-fill either in a cloth bag or in a pit prepared under the soil characterised in that a highly alkaline medium, namely sodium hydroxide, is produced in situ and wasteful corrosion of aluminium is reduced by using a back-fill comprising sodium carbonate, calcium oxide or hydroxide, calcium chloride, tri-sodium citrate and a moisture retaining ingredient like clay or gel forming substance, as herein defined.

CLASS 32F, & 40F.

143438.

Int C1-C07d 5/22, C07d 5/24.

METHOD FOR CONTINUOUS HYDROLYSIS OF PENTOSANE-CONTAINING MATERIAL AND APPARATUS FOR IMPLEMENTING THE METHOD.

Applicant: ANSTALT GEMASS, OF VADUZ, LIECHTENSTEIN.

143441

Inventors: GOTE SAVO AND GUSTAF ARTHUR NYMAN.

Application No 85/Cal/75 filed January 15, 1975

Appropriate office for opposition Proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

Method for continuous hydrolysis of pentosane-containing material at a temperature between 80 and 120°C, preferably at 100°C, and at a pH lower than 5, with extraction of a usable hydrolysis residue by feed-in of raw material at one end and feed-out at the other end of a hydrolysis vessel, characterised in that parts of the hydrolysate comprising dilute) sulphuric acid of concentration between 0.2 and 2.0% of other acid like hydrochloric, phosphoric etc., are recirculated into the hydrolysis vessel at two different concentrations at different or identical levels, and that the hydrolysate portion having a lower acid concentration is supplemented with additional acid before returning to said vessel

CLASS 32E

143439

Int Cl-B32b 27/06

IMPROVEMENTS IN OR RELATING TO THE PRFPARATION OF REINFORCED INTERPOLYMER FIIMS USEFUL AS ION-EXCHANGE MEMBRANES.

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NFW DELHI-1, INDIA

Inventors KOTTFYİL PAZHANIANDI GOVINDAN & POOKKATTU KUNNATH KRISHNAN NARAYANAN

Application No 456/Cal/75 filed March 10, 1975

Addition to No. 124573.

Appropriate office for opposition Proceedings (Rule 4 Patents Rules, 1972) Patent Office, Delhi Branch

7 Claims. No drawings

A process which is an improvement in or modification of that as claimed in Indian Patent No 124573 characterised in that the interpolymers as obtained are converted into thin films on a porous substrate which is mechanically strong chemically stable and compatible with the interpolymers

CLASS 32E.

143440

Int CI-C08d 3/00

AN IMPROVED METHOD FOR THE PRODUCTION OF SYNTHETIC RUBBER I ATICES

Applicant BAYER AKTTENGESELLSCHAFT, OF LEVERKUSEN, FEDERAL REPUBLIC OF GERMANY.

Inventors FERDINAND HEINS, & MARTIN MATNER

Application No. 992/Cal/75 filed May 19, 1976

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

14 Claims. No drawings.

An improved method for the production of synthetic rubber latices comprising copolymerizing components (1) 20 to 69 parts by weight of styrene (2) 40 to 80 parts by weight of butadiene, (3) 1 to 6 parts by weight of aciylic acid and/or metharvlic acid in aqueous emulsion in the presence of anionogenic emulsifiers, initiators and optionally promoters such as herein described at temperatures from 5 to 60°C characterised in that the coagulation point of rubber latex is reduced by additional copolymerisation of components. (4) 0 to 15 by weight of acrylomitrile and/or methacrylomitrile, (5) 0 to 5 parts by weight of acrylomide and/or methacrylamide and/or N-alkoxy-methyl-acrylamide and/or methacrylamide the sum of 5 and 6 being at least 1 part by weight, in such way that after the addition of a heat sensitizing agent such as herein described to the latex a coagulation point of 35—60°C is obtained.

CLASS 33-D.

Int. Cl. B22d 7/10.

A PROCESS OF MANUFACTURING KILLED STEEL INGOTS OF SUPERIOD QUALITY

Applicant . ALKOH CO. LTD , OF 1-39, 2-CHOME IKENOHATE, TAITO-KU, TOKYO, JAPAN.

Inventors SHIGERU MATSUYAMA & HIROSHI MI-KAMI.

Application No 1183/Cal/75 filed June 16, 1975

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

2 Claims

in the process of manufacturing killed steel ingots by solidifying molten steel in a mold while covering the upper surface of said molten metal with a hot topping material, wherein the improvement comprises:—

arranging on the upper surface of the molten steel immediately after pouring it into a mold in excess of 2 kg, per ton of molten steel of a board-like heat ictaining material having (a) a layer of easily-flammable material consisting of a mixture of oxidizable metal, selected from the group consisting of aluminum, silicon and magnessum and mixtures thereof, an oxygen supplying agent selected from the group consisting of iron oxide, manganese oxide, alkali metal nitrate and mixtures thereof; a burning modifier selected from the group consisting of sodium fluoride crylite and mixtures thereof; and a binder and (b) a molded laminated layer of heat-insulating material consisting of (i) 30 to 77 per cent by weight of sharcoal particles having a particle size of from 1 to 10 mm (ii) 20 to 50 per cent by weight of a heat expansible refractory material selected from the group consisting of graphite, vermiculite, obsidian perlite and mixtures thereof, and (iii) a binder, whereby the concentration of non-metallic inclusion in the bottom of the ingot formed are reduced.

CLASS 130-F.

143442

Int Cl-C22b 19/08.

A METHOD OF CONDENSING ZINC VAPOUR

Applicant METALLURGICAL PROCESSES LIMITED, AT TRUST CORPORATION OF BAHAMAS BUILDING WEST BAY STREET, NASSAU BAHAMAS AND ISC, SMELTING I IMITED OF 6. ST. JAMES'S SQUARE, ONDON, SWIY 4LD, ENGLAND CARRYING ON BUSINESS TOGETHER IN THE BAHAMAS, UNDER THE NAME AND STYLE OF METALLURGICAL DEVELOPMENT COMPANY, AT TRUST CORPORATION OF BAHAMAS BUILDING WEST BAY STREET, NASSAU, BAHAMAS

Inventors COLIN FRANK HARRIS, AND MICHAEL WILLIAM GAMMON.

Application No 1975/Cal/75 filed October 10, 1975

Convention date October 11, 1974 (44066/74) UK

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta

11 Claims

A method of condensing zinc vapour comprising contacting hot gases containing zinc vapour with a spray of molten lead droplets within a multi-stage condenser, with recirculation of molten lead, the said spray of molten lead droplets being generated within each condenser stage by at least one rotary minceller immersed in a pool of molten lead, wherein the temperature of the lead in an intermediate stage of the multi-stage condenser is controller to be within the range of from 475 to \$15°C

CLASS 116-C

143443

Int Cl-B65g, 45/00

MFTHOD AND APPARATUS FOR CLEANING CONVEYOR BELTS

Applicant: OMNI-LIFT, INC., OF 1485 SOUTH 300 WEST SALT LAKE CITY, UTAH 84115, UNITED STATES OF AMERICA.

Inventor, EVGENE ROY EDWARDS.

Application No. 135/Cal/76 filed January 24, 1976

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

Apparatus for cleaning conveyor belts comprising an enciless belt having a plurality of fingers projecting from one suitace thereof, said fingers being clined in a first direction, and means for driving said belt in a direction opposite said inst direction so that said ingers contact the surface of a conveyor belt being cleaned

CLASS 40F & 56-G.

Int. Cl.-G011 3/46.

HYDROCARBON VAPOUR DETECTOR TUBE FOR PETROLEUM PRODUCTS.

Applicant . COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFI MARG, NEW DELHI-1, INDIA.

Inventors SHRI AMALENDU BAGCHI, (2) DR. FIYUSH KANTI DUTTA, AND SHRI SUBHRENDU BAG-CHI

Application No 514/Cal/76 filed March 24, 1976

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

A hydrocarbon vapour detector tube for detecting concentration of hydrocarbon vapour in an of the petroleum products boiling between 50°C—200°C in the range of 2 to 30 milligiam per litre of air-vapour mixture comprises a glass tube, scaled at both ends, packed with purified and standardised silica gel impregnated with a solution of chromium trioxide ammonium persulphate and silver nitrate in sulphuric wherein the detection is made possible when the sealed ends of the tube are broken and the petroleum hydrocarbon vapour passing there through changes the colour of the impregnated gel from orange to green to reveal the presence of the hydrocarbon vapour.

CLASS 14-C.

143445

Int. Cl.-H01m 27/02.

A FUEL CELL STACK.

Applicant. UNITED TECHNOLOGIES CORPO-LION, AT I, FINANCIAL PLAZA, HARTFORD, CONECTICUT 16101, UNITED STATES OF AMERICA. CORPORA-CON-

Inventors : HAROLD RUSSELL KUNZ, & CARL AN-THONY REISER.

Application No. 575/Cal/76 filed April 1, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A fuel cell stack comprising a plurality of fuel cells connected electrically in series, each cell comprising a first electrode and a second electrode spaced apart and defining an electrolyto compartment therebetween, said stack including separator means defining a first reactant gas chamber on the non-electrolyte side of each first electrode and a second reactant gas chamber on the nonelectrolyte side of each second electrode, characterized in that each of said first electrodes including a plurality of distinct portions adjacent one another, one of said portions being a first portion and one of said poitions being a last portion, the sum of said plurality of portions being equivalent to substantially the whole first electrode, each of said first reactant gas chambers comprising a plurality of distinct adjacent portions one chamber portion corresponding to each of said first electrode portions and in gas com-munication with its respective first electrode portion, each chamber portion including inlet means and outlet means;

a first manifold in gas communication with said inlet means of said chamber portions corresponding to said first portion of each first electrode in said stack for introducing a reactant gas in parallel into said last mentioned chamber portion,

a last maniford in gas communication with said means of said chamber portions corresponding to said last portion of each first electrode in said stack, and

a separate mixing manifold for each pan of adjacent chamber portions providing gas communication between the outlet means of one of said adjacent chamber portions and the inlet means of the other of said adjacent chamber portions for

combining the exhaust gas from said last mentioned outlet means and directing the combined gases in parallel into said last mentioned inter means, said first manifold, mixing manitolds, and last manifold being in series gas with each other via said chamber portions. communication

CLASS 35E.

143446.

int Cl-F27d 1/04.

BLOCKS OF REFRACTORY CONCRETE.

Applicant . FOSECO TRADING A.G., OF LA JOHNSTRASSE, 9, 7000 CHUR, SWITZERLAND. LANGEN-

Inventor, KEITH ANNETT.

Application No. 1858/Cal/76 filed October 11, 1976 Convention date October 10, 1975/(41688/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

5 Claims.

A block of refractory concrete having at least one through hole for reception of a bolt by which the block may be secured to a support, the hole having a relatively narrow diameter portion opening at one face, and a relatively major diameter portion opening at the opposite face, in which the major diameter portion has a keying-configuration.

CLASS 32Fic & D

143447

Int Cl-C07c 35/00, 49/26.

PROCESS AND APPARATUS FOR OXIDIZING CY(-LOALKANES

STAMICARBON B. V., OF P.O. BOX, 10, Applicant GELEEN, THE NETHERLAND.

Inventor MATHUS MARIA FRANCISCUS PAASEN Application No. 2058/Cal/76 filed November 17, 1976

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

A process for oxidizing a cycloalkane containing from 5 to 12 carbon atoms per molecule in the liquid phase, at a temperature between 120° and 220°C and a pressure between 5 and 100 kg/cm' in the oxidation reactor to the corresponding cycloalkanone and/or cycloalkanol by means of a gas concycloaixanone and/or cycloaixanol by means of a gas containing molecular oxygen such as herein described and in the presence of a transition metal salt such as herein described dissolved in the reaction mixture as a catalyst, but in the adsence of a boric acid derivative, with subsequent removal of unconverted cycloalkane from the reaction mixture and recycle of the separated cycloaixane to the oxidation stage, characterized in that the water content of the cycloalkane to be oxidized is reduced before it is supplied to the oxidation leader. reactor.

OPPOSITION PROCEEDINGS

The application for patent No. 112550 made by Shankarrao Daji Kulkarni in respect of which an opposition was entered by Kulko Engineering Works Ltd., as notified in Part III, Sec-tion 2 of the Gazette of India, dated the 19th June, 1971, has been treated as abandoned.

PATENTS SEALED

141153 141155 141163 141164 141166 141189 141216 141220 141224 141232 141233 141254 141255 141259 141312 141429 141430

AMENDMENT PROCEEDINGS UNDER SECTION 57

AMENDMENT PROCEEDINGS UNDER SECTION 57

Notice is hereby given that Mitsui Toatsu Chemicals, Incorporated, of 2—5, Kasumigaseki 3-Chome, Chiyoda-Ku, Tokyo, 100, Japan, a Japanes Company, have made an application under Section 57 of the Patents Act, 1970 for amendment of specification of their application for patent No 140043 for "Process for preparing a herbicidal composition" The amendments are by way of correction. The application for amendment and the proposed amendments can be inspected free of charge at the Patent Office, 214, Acharya Jagadish Bose Road, Calcutta-17 or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the application for amendment may file a notice of opposition on the prescribed form 30 within three months from the date of this notification, at the Patent Office, Calcutta If the written statement of opposition is not filed with the notice of opposition it shall left within one month from the date of filing the said notice.

COMMERCIAL WORKING OF PATENTED INVENTIONS

LIST NO. III

The following patents in the field of Chemical Industry are not being commercially worked in India as admitted by the Patentees in the statements filed by them under Section 146(2) of the Patents Act, 1970, in respect of Calender year 1976 generally on account of want of requests for licences to work the patented inventions. Persons who are interested to commercially work the said patents may contact the patentee for the grant of a licence for the purposes.

Sl. No.	Patent No.	Date of Pat	ent Name & address of the patentee	Brief title of the invention
1	2	3	4	3
1	117742	20-4-1972	Bayer AG, Leverkusen, Federal Republic of Germany	2-methyl-3-canrboxylic acid amidoquinoxa- lin-1, 4-di-N-oxides
2	117743	20-4-1972	Do	2-methyl-3-amidine-quinoxaline-di-N- oxides-(1, 4) substituted on the amidine nitrogen
3	117791	20-4-1972	Do	Acylated N-(alkylamino alky1)-amino- pyridines
4	117876	20-4-1972	Reckitt & Colman Products Ltd, Danson Lane, Hull, Yorkshire, England	Chlorination of Phenols
5	118101	20-4-1972	Chinoin Gyogyszer-es vegyeszeti Termekek Gyara R T, 1-5- To utca, Budapest IV	New 4-quinazolone derivative
6	118204	20-4-1972	John Wyeth & Brother Ltd , Huntercomfe Lane South, Taplow, Maiden head, Berkshire, England	Steroid ketone derivative preparation
7	118241	20-4-1972	Boehringher Ingelheim GmbH, Ingelheim/ Rhein, Federal Republic of Germany	Novel substituted 3-amino-sydnonimine
8	118826	2-12-1968	F Hoffman La Roche & Co AG, 124-184 Grenzacherstrassee, Basle, Switzerland	Epoxy compounds
9	118827	20-4-1972	Hoechst AG, 6230 Frankfurt/Main, Federal Republic of Germany.	Sulfamyl anthranilic acid
10	118967	20-4-1972	Pfizer Inc., 235 East 42nd Street, New York-17	1-(2-amino-4-quinazolinyl) ureas
11	118990	12-12-1968	Monsanto Co, 800 North Lindbergh Blvd, St Louis, Missouri 63166, USA	Mercaptans & sulphides
12,	118997	20-4-1972	Boehringher Ingelheim GmkH, Ingelheim/ Rhein, Federal Republic of Germany	Novel 1-phenoxy-2-hydroxy alkylamino- propane
13	119001	20-4-1972	ICI Ltd, Imperial Chemical House, Millbank, London SW 1, England	1-acylaminophenoxy-3 amino-2-propanol derivative
14	119063	17-12-1968	Laporte Titanium Ltd, Hanover House, 14, Hanover Square, London SW 1	Titanium dioxide
15	119145	24-12-1968	Baehringher Inxgelheim GmbH, Ingelheim/ Rhein, Federal Republic of Germany	Oral preparation
16	119176	20-4-1972	Pfizer Inc, 235 East 42nd Str, New York-17	Novel acylpenicillins
17	119322	20-4-1972	Rhone Poulenc S A , 22 Avenue Montaingne Paris 80, France	Imidazo (2, 1-b) thiazole derivative
18	119423	20-4-1972	Pfizer Inc, 235 East 42nd Street, New York-17	Hexahydro pyrazinoquinolines
19	119691	20-4-1972	Scherico Ltd , Topferstrasee 5 Lucerne, Switzerland	Novel cyclic amidmes
20	119706	20-4-1972	Elli Lilly & Co, 740 South Alabama Street, Indianapolis, Indiana, U S A	Preparing (Delta) ³ and (Delta) ³ Cephalos porin compounds
21	119753	20-4-1972	Bristol Myers Co, 630 Fifth Avenue, New	Alpha quinidinothenyl penicillin
22	119801	11-2-1969	York Snam Progetti SpA, 16 Corso Venezia, Milan, Italy	Catalytic hydro genation of hydrocarbons for the production of high viscosity index lubricating olls
23	120006	20-4-1972	Kyowa Hakko Kogyo Co Ltd, 4, Chte- machi1 chome, Ciyoda-xuku, Tokyo	Alpha-lysine
24	120069	27-2-1968	F L Smidth & Co A/S, 77 Vigerslev Alle, Copenhagen-Valby, Denr	
25	120168	20-4-197	Rhone-Poulenc S.A., 22 Avenue, Montaig Paris 8e, France	ne, New 3, 4 dihydroisoquintdin derivatives

1	2	3	4	5
26	120369	17-3-1969	Monsanto Co, 800 North Lindbergh Blvd, St Louis 66, Missouri 63166, U.S.A.	Inhibiting Premature vulcanisation of dienc rubber
27	120410	19-3-1969	R & L Molecular Research Ltd, 8045, Argyll Rd, Edmonton, Province of Alberta, Canada	5-substituted-amino-4-cyano-3 (5-nitro-free-2-yl) isoxazoles
28	120441	20-3-1969	Hoechst AG, 6230 Frankfurt/Main, Federal Republic of Germany	1-hydroxy-2-pyridones
29	120518	20-4-1972	The Wellcome Foundation Ltd, 183—193, Euston Rd, London N W 1 2BP, England	Novel thiosemicarbazones
30	120606	20-4-1972	John Wyeth & Brother Ltd, Huntercombe Lane, South Tarlow, Maidenhead, Berk- shire, England	Thiazolines
31	120666	20-4-1972	American Home Products Corpn, 685 Third Avenue, New York-17	Seco-steroids
32	121009	20-4-1972	Chinoin Gygyszer-ES Vegygeti Termekek Gyara R T, 1-5 to Utca, Budapest IV	1, 2, 4-oxadizazole derivatives
33	121012	20-4-1972	Commercial Solvents Corpn & another Terre Haute, Indiana	Compounds exhibiting estrogenic activity useful as animal feeds
34	121134	20-4-1972	American Home Products Corpn, 685 Third Avenue, New York-17	2, 3, 5, 9b-tetrahydro1H(2, 1-a) isoindole- 5-ols
35	121149	22-11-1967	L Givaudan & Cie, Societe Anonyme Vernier-Geneve, Switzerland	Turpene derivatives
36	121187	20-4-1972	John Wyeth & Brother Ltd, Huntercombe Lane South, Taplow, Maidenhead, Berk- shire, England	New heterocyclic compounds
37	121287	20-4-1972	American Home Products Corpn, 685 Third Avenue, New York-17	Sustained release drug composition
38	121321	20-4-1972	Dr Karl Thomac GmbH, Biberach an der Riss, Federal Republic of Germany	Benzoxazol-Z-y-N-methyl-N-naphth-1-yl dithiocarbamates
39	121369	20-4-1972	Zaidan Hojin Biseibutsu Kagaku kk, 403, Nakamaru Kamiosaki, Shinagawa- ku- Tokyo	Novel procedure for removing copper containing bleomyein
40	121397	20-4-1972	Pfizer Inc, 235 East 42nd Street, New York-17	Quinoxalıne-dı-N-oxides
41	121510	20-4-1972	Janssen Pharmaccutica N V, Turnhoutsebaa. 30 Beese, Belgium	n, N-arallyl-N-aralykyl piperazmes.
42	121683	20-4-1972	Pfizer Inc, 235 East 42nd Str, New York-17	Production of aqueous solutions for parenteral, oral and topical use of dioxycycline
43	121974	24-6-1969	Snam Progetti Sp A, 16 Corso Venezia, Milan, Itlay	Fibres containing enzymes
44	122260	20-4-1972	Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1	Improved synthesis of 2, 3, 4, 4a, 5, 6- hexahydro-1 (h) pyrazino (1, 2-a) quinoline
45	122465	20-4-1972	Dr Kail Thomae GmbH, Biberach an der Riss, Federal Republic of Germany	Indolines
46	122574	20-4-1972	Pfizer Inc, 235 East 42 street, New, York-17	Oleandomycin recovery
47	122614	20-4-1972	F. Hoffmann-La Roche & Co A G , 124-184	Hydrazide & its acid addition salt thereof
48	122675	20-4-1972	Grenzacherstrasse, Basle, Switzerland Chmoin Gyogyszer-ES Vegy esszeti Termekek Gyara RT, 1-5, To utca Budapest IV, Hun- gary	, New nitrofurane derivatives
49	122747	20-4-1972	Pflzer Inc, 235 East 42nd Street, New York- 17	Benzothiazine dioxides
50	122766	14-8-1969	Sumikumar Mukherjee, Ravalgan Sugar Farm Ltd, Nasik	Melting sugar, Salt or lime soluble materials
51	122775	20-4-1972	Dr Karl Thomae GmbH, Biberach an der ris Federal Republic of Germany	s 11-substituted 5, 11-dihydro-6(H) -pyrido (2, 3-b) (1, 4) benzodiazopine-6-ones

1	2	3	4	5
52	122972	20-4-1972	Pfizer Inc, 235 East 42nd Street, New York-	Esters of alpha-carboxy arylmethyl peni- cillin
53	123087	20-4-1972	American Home Products Corpn, 685 Third Avenue, New York-17	2-amıdo-6-amınopenicillanıc Acıd
54	123255	20-4-192	Pfizer Inc, 235 East 42nd Street, New York- 17	Crystalline alkalı metal salts of L-carboxy- benzyl penicillins
55	123441	20-4-1972	Pfizer Inc, 235 East 42nd Street, New York-17	Conversion of 2-carboaryl-oxy benzylpeni- cillins to 2-carboxybezsylpenicillins
56	123476	20-4-1972	Do	Substituted as-triazine-3, 5(2H, 4H) diones
57	123498	20-4-1972	American Home Products Ltd., 685 Third Avenue, New York-17	3-cyclopenthyl-oxy-13-alkyl-17-ol-ethynyl- gona-3, 5-dien-17beta-ol-a acylates
58	123540	20-4-1972	Janson Pharmaceutica NV, , Turnhoutsebaan, 30, Beerse, Belgium	1-(3-cyane-3, 3-diphenylpropyl) -4-phenyl- isonipecotic acid & the therapeutically active acid addition salts
59	123933	7-11-1969	Koninklijke Nederlandsche Gisten Sprititus- fabrik N V, 3 Wateringseweg, Delft, Netherlands	An active dried bakers yeast
60	124020	20-4-1972	Pfizer Corp Calle 15½ Avenida Santa Isabel, Colon, Panama	Polar substituted propaneolamines
61	124391	20-4-1972	Do	3-aminoalkyl indolines
62.	124492	20-4-1972	Richardson Merreli Inc., 122 Fast 42nd St, New York.	Bis-basic ethers & thioethers of fluorenone & flourene
63	124525	20-4-1972	Labaz, 39 avenue Pierre lei de Serbier, 75008 Paris 8e	Preparing substituted oxepine derivatives
64.	124531	20-4-1972	CERPHA., 71 Avenue Laplace, Arqueil, Val de Marne, France.	Preparation of basic aryloxyacetamides
65.	124525	22-12-1969	Snam Progetti S p. A, 16 Corso Venezia, Milan, Italy.	Ured
66,	124626	29-12-1969	Howson-Algraphy Ltd, Ring Rd, Seacroft, Leeds LS14, Yorkshuc.	Positive active light sensitive plates
67	124663	5-4-1968	Monsanto Co, 800 North Lindbergh Blvd, St. Lows, Missourix, 63166, USA	Catalyst composition for use in the transformation of reactants
68.	124741	6-1-1970	Laporte Industries Ltd, 14 Hanover Square, London WIROBE, England	Pigments
69	124827	13-1-1970	Monsanto Co, 800 North Lindbergh Blvd, St. Lows, Missouri 63166, US.A	Curing elastomeric article
70.	124853	14-1-1970	F Hoffmann-La Roche & Co, AG of 124— 184 Granzacherstrasse, Basle, Switzer- land.	Poultry feed.
71.	124863	20-4-1972	Asahi Kasci Kogyo Kabushiki Kaisha, 25—1, Dojimahamadri-l-chome, Kita-ku, Osaka, Japan	Cultivation of hydrocarbon consuming yeast,
72	125063	20-4-1972	Amicon Corpn, 25 Hartwell Avenue, Lexington, Massachusetts, USA	Continuous ultrafiltration of molecular solutions.
73	125121	20-4-1972	Warner-Lambert Co, Taboi-Rd, Moriis Plains, New Jersey	N-phthalimidoacetyl-5-chloro-2 cyclopropyl-methyl aminobenzhydral.
74.	125136	20-4-1972	Zaidan Hojin Biscibutsu Kagaku Kenkyu Kai, 403 Nakamaru Kamisosaki, Shinagawa- ky, Tokyo.	Novel process for producing antibiotic bleomycin.
75	J25262	20-4-1972	Pfizer Inc, 235 East 42nd Street, New York-17.	Preparing substituted hexahydro imidazo-quinolines.
76.	125279	13-2-1970	Polymer Corpn Ltd, Sarma, Ontario, Canada.	CIS-1, 4 polymers of butadiene.
77	125524	20-4-1972	Carter-Wallace INC, 767 Fifth Avenue, New York-10022	2, 3a-dihydro-2h, 9h-180xazolo (3, 2-b'). (1, 3) benzoxazin-9-ones.
78	125582	4-3-1970	Rhone Progil, 25 Quai Paul Doumer, 92408, Courbevoie, France.	Antifouling composition.

1	2	3	4	5
79	125591	20-4-1972	Carter Wallace INC, 767 Fifth Avenue, New York-10022	2, 3, 4, 4a-tetrahydro-10H-1, 2-oxazino (3, 2-b), (1, 3) banzoxazine 10-ones
80.	125603	20-4-1972	Pfizer Inc, 235 Fast 42nd Street, New York- 17.	Direct mono esterification of arylmalonic acids
81	125611	20-4-1972	The Wellcome Foundation Ltd, 183—193 Euston Rd, London NW. 1	Quarternary ammonium salts
82.	1 25 686	11-3-1970	Hoechst AG, 45 Bruning strasse, Frankfurt/ Main, Federal Republic of Germany	Colouring polyamide or polyurethane fibers with authraquinone azo dyestuffs
83.	125778	18-3-1970	May & Baker Ltd, Dagenham, Essex, England	Methyl p-aminobenzene sulfonylcar-bamate
84.	125803	20-4-1972	American Cyanamid Corpn, Wayne, New Jersey, USA	Cyanoalkyl doxine carbamates
85.	125827	24-3-1970	Josef Morissner Co, 5 Koln Bayenthal Bayenthalqurted, 16-20 Postfach 76, Federal Republic of Germany	Separation of an emulsion
86.	125899	25-3-1970	F. Hoffmann La Roche & Co, AG, 124— 184 Grenzacherstrasse Basle Switzerland	Phenyl derivatives I.
87.	125914	20-4-1972	Sankyo Co Ltd, 1—6, 3-chome, Nihonbashi, Honcho-ku, Tokyo, Japan.	3-phenyl-5-methyl-4-isoxazolylpenicillin
88.	125976	14-3-1977	Universal Oil Products Co, No 30 Algonquin Rd, Des Plaines, Illinois, U.S A	Polyurethane article having a resilient cushion bonded to a rigid structure
89	125978	20-4-1972	Boehringer Ingel Heim GmbH, Ingelheim an Rhein, Federal Republic of Germany	Production of novel 5-aryl-1-H-1, 5-Benzodiazepine-2, 4-diones
90	125988	30-3-1970	Monsanto Co. 800 North Lindbergh St. Louis, Missouri 63166, U S.A.	Isopropylidineaminoethanol salt of p-nitrobenzene Sulfonylurea & heibicidal compositions containing the same.
91.	125991	30-3-1970	Snamprogetti S. p A, 16 Corso Venezia, Milan, Italy.	Purification of urea solutions
92.	126007	31-3-1970	U.S. Borax & Chemical Corpn, 3075 Wilshire Blvd, Los Angeles, California, U.S.A.	Herbicidal composition containing dimitro-1, 3-phenylene diamines.
93.	126042	20-4-1972	Eli Lilly & Co, 307 East McCarty Street, Indianapolis, Indiana, USA	Novel crystalline cephalosporin.
94	126095	7-4-1970	Nippon Kokan, 1-3, 1-chome, Otemachi, Chiyodaku, Tokyo, Japan	Low and medium carbon ferroalloy
95	126191	14-4-1970	Hoechst AG, 45 Bruningstrasse, Frankfurt/ Main, Federal Republic of German	Praparation of very pure monosulfonic acids of triphenyl methane dyestuffs.
96	126193	14-4-1970	Degussa, 9 Weissfrauenstrasse, Frankfurt/ Main, Federal Republic of Germany.	Regeneration of used catalyst in the manufacture of hydrogen peroxide by anthraquinone process.
97	126287	20-4-1972	Janssen Pharmaceutica NV, Turnhout-sebaan 30, Beerse, Belgium	Benzimidazole carbamates
98	126326	20-4-1972	Hindustan Lever Ltd, Hindustan Lever House, 165—166, Backbay Reclamation, Bombay-20.	Preparing compositions suitable for improving assimilation & utilisation by the body of glucose
99	126372	20-4-1972	Chinoin Gyogyszer-es vegyeszeti Termekek Gyara R.T., 1—5, To Utca, Budapest IV, Hungary	New sulfonamides
100.	126397	28-4-1970	Rhone-Poulone S A, 22 Avenue Montaigne, Paris 8e	Preparation of a cation exchange resin.
101.	1 2640 5	20-4-1972	DEGUSSA, 9 Weissenfraunstrasse, Frankfurt (Main), Federal Republic of Germany	Basic Beta thienyl derivatives
102	126514	20-4-1972	Medical Service GmbH, D-8000 Munchem 70, Korad-Celfis-Str, 14a, Federal Republic of Germany	Preparation of magnesium oratate/amino acidsalts or complexes.

1	2	3	4	5
103.	126547		Degussa, 9 Weissenfraunstrasse, Frankfurt (Main), Federal Republic of Germany	nisation process carried out in salt bath.
104.	126572		Heochst AG., 6230 Frankfurt/Main, Federal Republic of Germany.	
105.	126592		Alembic Chemical Works Co, Ltd, Baroda.	damycin
106,	126610		The carborundum Co, 1625 Buffalo Avenue, Niagara Falls, U.S.A.	
107	126702	20-4-1972	Rhone poulenc S.A., 22 Avenue Montaigne, Paris 8e France.	New bonzofuran derivatives
108.	126790	25-5-1970	Unilever Ltd, Blackfriars, London E.C 4	Flavouring agents.
109.	126800	25-5-1970	Snam Progetti S. p. A, 16 Corso Venezia, Milan, Italy.	Pellets of urea having a low biuret content.
110.	126828	20-4-1972	Ceskoslovenska Akademic Ved No 3, Narodni, Praha, Czechoslovakia.	Novel M ¹ cetyl-2-o-methyl-tyrosine-oxytocin.
111.	126846	20-4-1972	Chinoin Gyogyszer-ES Vegyeszeti Termekek Gyara RT., 1—5 Utca, Budapest IV, Hungary.	New sulfonamides.
112,.	126855	28-5-1970	Universal Oil Products Co, No. 30 Algonquin Rd, Des Plaines, U.S.A.	Endothermic catalytic conversion of hydrocarbons.
113	126866	29-5-1970	Dr. Kurt Herberts & Co, 56 Louppertal 2, Christleurch 25, Federal Republic of Germany.	Polyester resin containing 5-membered imide rings
114.	126871	30-5-1970	Hindustan Lever Ltd, 165—166 Backbay Reclamation, Bombay-20,	A toilet bar containing a polyethylenoxide quarternary ammonium oxide.
115.	126882	1-6-1970	American Cyanamid, Wayne, New Jersey, U.S.A.	Storage stable package for absorbable poly glucolic acid sutures.
116.	126887	1-6-1970	Sanky Co Ltd, 1-6, 3-chome Nihonbashi Houcho, Chouky, Tokyo, Japan.	Ester of chrysanthemic acid.
117.	126902	2-6-1970	Hoechst AG, 45 Bruningstrasse, Frankfurt/ Main, Federal Republic of Germany.	Water soluble monoazo dyestuffs.
118.	126945	4-6-1970	ICI Ltd, Imperial Chemical House, Millbank, London SW. 1.	Halogen containing complex phosphate of alummium.
119.	126951	5-6-1970	Hindustan Lover Ltd, 165-166 Backbay Reclamation, Bombay-20	A perfume composition.
120.	126970	20-4-1972	I.C.I. Ltd, Imperial Chemical House, Millbank, London SW. 1	Morpholine derivatives.
121.	126975	8-6-1970	Inmone Corpn, 1133 Avenue of the Americas, New York	Flexible microporous water vapour sheet materials.
122.	127033	11-6-1970	Ciments Lafarge, 28, rue Emile Menier, Paris XVI.	Superwhite cement,
123.	127067	15-6-1970	Instytut Wlokien Sztucznych, Syntety- cznych Lodz, Ul skłodouskiej, Curie No. 19/27, Poland	Polyethylene terephthalate,
124.	127104	16-6-1970	Ethicon Inc, Sinorville, New Jersey, U.S.A.	Polypropylene non-absorbable suture.
125.	127352	1-7-1970	Union Carbide Corpn, 270 Park Avenue New York.	Biochemical oxidation with low sludge recycle.
126.	127353	1-7-1970	Do.	Bio-oxidation with low sludge yield.
127.	127354	1-7-1970	Do.	Staged oxygenation water containing biochemically active oxidizable material.
128.	127355	1-7-1970	Do.	Treating water containing biochemically oxidisable material
129.	127363	2-7-1970	Bohna Engg & Research Inc, 22 Battery St, San Francisco, USA.	Method of producing concentrated phosphoric acid compounds from monocalcium phosphate.
130.	127364	20-4-1972	Pfizer Corpn, Calle 15½ Avenida Santa Isabel, Colon, Panama.	Process for increasing the recoverable yield of antibiotics and penicillin acylase
131.	127366	2-7-1970	Metallurgical Development Co, Trust Bldg, Frederick St, Bahamas.	Condensation of metal vapour.
132.	127374	3-7-1970	•	Novel catalytic composite.
133.	127375	3 -7 -1970	Do.	Mixture of high purity C_8 aromatic hydrocarbons.

1	2	3	4	5
134.	127394	20-4-1972	Pfizer Inc, 235 East 42nd Street, New York 17, USA	- Novel 3-methyl-2, quinoxa-line car- boxamide-di-N- oxide
135.	127398	30-4-1971	M Prasad & Co, Shivpur, Varanasi, UP	Producing cleanded hemp materials from hemp wastes & old hemp cuttings.
136	127399	4-7-1970	Tenko Brooke Bond Ltd , 35 Cannon St , London E C 4	Enzymatic solubilisation of tea cream
137	127424	20-4-1972	Scherico Ltd., Topferestrasse 5 Lucerne, Switzerland	Pharmaceutically acceptable salts of a novel antibiotic designated antibiotic 66-40
138	127472	9-7-1970	Prerovske Strojirny narodni Podnik, Prerov, Czechoslovakia	Prcheating of pulverulent material especially coment raw materials.
139	127492	10-7-1970	Wilhelm Schelkmann, 581, Witten Crangalanzstr, 85a German Federal Republic	
140.	127495	20-4-1972	ICI Australia Ltd., l Nicholson Street, Melbourne, Victoria, USA Australia	L-tetramsole solutions
141	127505	13-7-1970	Metallurgical Development Co, Trust Bldg, Frederick St, Nassen, Bahamas	The preparation of feed material for a a blast furnace
142	127519	13-7-1970	Veb Chemicanlagen 7024 Leipzig, Forganer Str. 65, German Democratic Republic	Polyester.
143	127580	17-7-1970	1C1 Ltd., Imperial Chemical House, Millbank, London SW 1	Heat treatment of yarns & strands
144.	127583	17-7-1970	Albright, Morarji & Pandit Ltd., Raj Mahal, 3rd Floor, 84 Veer Nariman Rd., Bombay 20	Sodium tripolyphosphate
145	127601	20-4-1972	Chinoin Gyogyszer ES Vegyeszeti Termekek Gyara RT, 1—5 To utca, Budapest IV, Hungary	Compounds having a, 2, 3, 5, 6-tetrahydro amidazo (2, 1-beta) thiazole ring system
146	127619	29-4-1972	Pfizer Inc., 235 E, 42nd Str., New York	Esters of alpha carboxyarylmethyl peni- cillins
147	127626	20 7-1970	Snam Progetti SpA, 16 Corso Venezia, Milan, Italy	Extraction of aromatic hydrocarbons
148	127635	21-7-1970	Inmont Corpn , 1133 Avenue of the Americas, New York	Novel water vapour permeable sheet materials
149	127646	21-7-1970	Snamprogetti SpA, 16 Corso Venezia, Milan, Italy	Process for the separation of conjugated diolefins from mixtures containing the same
150	127658	22-7-1970	Do	Extraction of aromatic hydrocarbon from mixtures of aromatic and aliphatic hydrocarbon
151	127669	23-7-1970	Veb Chemiefasen Kombinat, Rudolstadt Schworza German Democratic Republi	Spinning threads from acrylonitryl polymers.
152	127675	23-7 1970	Alpuia Koicco AG, Konoliungen Borne Switzerland.	Sterilisation of packaging material
153	127684	23-7-1970	Minnesota Mining & Mfg Co., 3M Center Saint Paul Minnesota, 55101, USA	Aquatic herbicide.
154	127725	27-7-1970	Rohm & Hass Co , Independence Mall West Philadelphia, Pennsylvania, 19105, USA	Resin having cross linked ploymeric tesm matrix
155	127/30	27-7-1970	Eastman Kodak Co 343 State Street Rochester, New York 14650.	Fogging unexposed photographic silver halide
156	127743	20-4 1972	Council of Scientific and Industrial Research, Rafi Marg, New Delhi-1	Colchicine from a new plant source
157.	127752	28-7-1970	Hoechst AG, Bruningstrasse, Frankfuit/ Main, Federal Republic of Germany.	New water insoluble monoazo dyestuffs, plastics & textile materials.
158.	127753	28-7-1970	Do.	Copper containing monoazo dyestufis

1	2	3	4	5
159.	127804	20-4-1972	Eli Lilly & Co., 307 East Mc Carty Street, Indianapolis, U.S.A.	New antibiotic.
160.	127826	31-7-1970	F. Hoffmann La Roche & Co., 124—184 Crenzacherstrasse, Basle, Switzerland.	Non cariogenic foods containing xylitol.
161.	127851	3-8-1970	Hoechst AG., Bruningstrasse, Frankfurt/ Main, Federal Republic of Germany.	Thermoplastic moulding composition on the basis of polyoxymethylenes,
162.	127868	4-8-1970	Do.	Water insoluble monoazo dyestuffs.
163.	127869	4-8-1970	Do.	Do.
164.	127876	20-4-1970	Rhone Poulenc SA, 22 Avenue Montaigne, Paris 8c.	Alpha-amino acids, cyclopeptides or polymycins containing one or more protected amino groups
165	12 7 917	20-4-1972	Pfizer Corpn., 151 Avenida Santa Isabel, Colon, Panama	, 1-phenoxy-3-piperozinyl-2-propanol compounds.
166.	127973	11-8-1970	Union Carbide Corpn., 270 Park Avenue, New York	Cryogenic air separation process.
167.	127978	11-8-1970	IC! Ltd., Imperial Chemical House, Millbank, London, SW 1	- Transitional metal compositions,
168.	127983	11-8-1970	Rostero SA-, 12 AV. Industrielle, Geneva-Acacia, Switzerland	Casting of resin sheet from polymorisable flowable material
169.	128011	20-4-1972	Chinoin Gyogyszer-ES vegyeszeti Termekek RT, 1-5 To utca, Budapest, IV, Hungary	3-amino-∆-pyrazoline drīvatīves.
170.	128017	13-8-1970	Universal Oil Products Co., 30 Algonquin Rd, Des Plaines, Illinois, USA	Solvent extraction of coal.
171	128039	17-8-1970	Degussa Gold-Und silber-Scheideanstalt Vormals Roesslei, 9 Wissfrannenstrasse, Frankfurt, Federal Republic of Germany	Hydrogen peroxide,
172.	128042	17-8-1970	Do.	Do
173.	128052	20-4-1972	Newport Pharmaceuticals Interational 1590 Monrovia Blvd, New part, California, U.S A	Complex of mosine & dialkylamino alkanol.
174.	128082	19-8-1970	The Anacouda Co, 25 Broadway, New York.	Vulcanising polymeric coverings on electric cables,
175.	128088	19-8-1970	Hoechst AG, Bruningstrasse, Frankfurt/ Main, Federal Republic of Germany.	Polymerising alpha-olefins
176.	128099	20-4-1972	Ordena Tiudoveo Krasnago Znameni Khimiko Formatsevticheski Zavod, Moskovskaya Oblast, Noginskyraion O/o Kuparna, USS.R.	The state of the s
177	128134	22-8-1970	Unilever Ltd, Blackfiars, London EC. 4	Shaped consolidated meat product.
178.	128138	22-8-1970	Neyrpic BMB, Ruc Genera Manging Grenoble, Isore, France	Apparatus for producing a diluted and homogeneous mixtures of fibres in fluid.
179.	128182	26-8-1970	Hoechst AG 45 Bruningstrasse Frankfurt/ Main, Federal Republic of Germany.	
180.	128184	26-8-1970	Union Carbide Corpn., 270 Park Avenue, New York 10017.	Hydrogen absorbing material for electro- chemical cells.
181.	128185	26-8-1970	Universal Oil Products Co., No 30 Algonquin Road, Des Plaines, Illinois, U S.A.	Method for dehydrogenating a hydrocarbon
182.	128193	26-8-1970	Benson Field & Epes 640, Spruce Lane, Berwyn, Pennsylvania, USA.	Separation of Co ₂ & H ₂ S from gag mixtures.
183.	128221	28-8-1970	Gosudarstvenny Institut Kuilayshev, Ulitsa Krasnoarmeiskaya, 93 U.SSR	Heat treatment of waxy crude oil.
184.	128223	28-8-1970	Sankyo Co., Ltd., 16, 3-chome, Nihon-bashi Honcha, Chuoku, Tokyo	Organic phosphorous compounds usoful as insecticides.
185.	128253	1-9-1970	Union Carbide Corpn., 270 Park Avence, New York-10017.	Making metal addition to molten alu- minium bath for making alloys thereof.

1	2	3	4	5
186.	128278	2-9-1970	Snamprogetti S. p. A., 16 Corso Venezia Milan, Italy.	Ethylene oxide.
187.	128281	2-9-1970	The Goodyear Tire & Rubber Co, Akron, Ohio, U.S.A.	Solid state polymerisation process
188	128285	2-9-1970	Cities Service Research & Development Co, 60 Wall Street, New York.	Hydrocarbon oil feed.
189,	128295	3-9-1970	Eistman Kodak Co, 343 Rochester, New York 14650, U.S.A.	Photographic processing.
190.	128303	5-9-1970	Glaverble-Mecaniver, 166 Chausse de l Hulpe, Watermacl-Boitsfort, Belgium	a Drawing of sheet glass,
191.	128325	8-9-1970	Universal Oil Products Co. Ltd, No. 30 Algonquin Rd, Des Plaines, Illinois, USA	Analysing hydrocarbon composition.
192	128337	8-9-1970	Benson, Field & Epes, 640 Spruce Lane, Beiwyn, Pennsylvania, USA	Removal of Co ₂ & H ₂ S from gas mixtures.

PATENTS DEEMED TO BE ENDORSED WITH THE WORDS "LICENCES OF RIGHT"

The following patents are deemed to have been endorsed with the words "Licences of right" under Section 87 of the Patents Act, 1970 The dates shown in the crescent brackets are the dates of the patents

No.

Title of the invention

- 87957 (20-4-72) Production of levan or like polysaccharide by fermentation.
- 100329 (20-4-72) Process for the preparation of methionine
- 109451 (20-4-72) Process for the industrial manufacture of hydroxocobalamin
- 110573 (20-4-72) Purification of enzyme inhibitors.
- 110605 (20-4-72) A process relating to the production of 4-cyanopyridine from gamma-picoline.
- 111703 (20-4-72) Process for the manufacture of β-methoxy-or β-ethoxy-crotonic acid esters.
- 112997 (20-4-72) Process for the production of carbomycin A.
- 115693 (20-4-72) Process for converting a penicillin sulfoxide ester to a cephalosporin antibiotic.
- 125914 (20-4-72) Process for producing a 3-phenyl-5-methyl-4- isoxazolylpenicillin.
- 126026 (20-4-72) Process for preparation of benzodiazepines.
- 126662 (20-4-72) A method for the manufacture of xanthotoxin from ammimajus seeds
- 128439 (15-9-70) Process for the manufacture of salt mixtures of alkalı metal salts of O, O-dialkyldithio phosphoric acids.
- 128849 (16-10-70) Process for making new thiadiazole compounds.
- 131308 (11-5-71) Process for the preparation of synthetic rutile starting from ilmenite.
- 131834 (22-6-71) Process for preparation of tetrazole (1, 5-A) quinoline.
- 132144 (16-7-71) Extraction of copper and nickel from manganese nodules.
- 132180 (20-4-72) Process for preparing 7-nitro substituted 1, 4-benzo-diazepin-2-one derivatives.
- 133097 (4-10-71) Extraction of protein from protein-bearing seed

- 133411 (29-10-71) Process for converting a hydrocarbon feed into lower-boiling hydrocarbon products
- 133984 (17-12-71) Continuous process for the preparation of modified starch dispersions.
- 134524 (7-2-72) Solvent-free process for preparing 3-(halo-phenyl)-1, 1-dialkyl ureas.
- 134688 (14-5-73) Amorphisation of cellulosic material
- 134792 (2-3-72) Process for the vulcanisation of rubber
- 135458 (20-4-72) A process for the preparation of 2, 3—diazabicycle [5-4-0] undecapentaene derivative.
- 135564 (3-5-72) A method of manufacturing a polymer containing both amide and imide groups

REGISTRATION OF ASSIGNMENTS, LICENCES, ETC. (PATENTS)

Assignments, licences or other transactions affecting the interests of the original patentees have been registered in the following cases The number of each case is followed by the names of the parties claiming interests:—

95524 | M/s Societe Nationale Elf Aquitaine (Produc-134451 | tion). 136801 | 136912 |

135191 M/s Licentia Patent-Verwaltungs G m b.H.

RENEWAL FEES PAID

84361 84550 84726 84893 85182 85222 85437 85737 89691 90715 90716 90775 90818 91051 91059 91091 91253 91701 93116 94053 96233 96408 96483 96490 96644 96723 97081 97337 101847 102338 102353 102360 102453 102599 102754 104986 107028 107290 107433 107796 107811 107883 107886 107887 107943 107986 108010 108122 108123 108124 108125 108144 108239 108637 110280 112906 112926 113048 113104 113117 113142 113200 113256 113262 113306 113492 113508 113509 114225 115567 117916 118182 118217 118253 118375 118413 118414 118415 118454 118491 118511 118531 118533 118540 118663 118703 118704 118715 118796 118867 118884 118932 119024 119070 122647 123504 123855 123858 123865 123867 123880 123881 123882 123883 123884 123892 123903 123907 123918 124006 124023 124042 124049 124056 124057 124059 124065 124178 124224 124237 124238 124473 124475 124502 124514 124790 124899 124900 125000 125034 127654 128630 128631 128632 128633 128669 128679 128713 128758 128792 128995 129049 129077 129103 129104 129112 129113 129124 129131 129132 129133 129137 129138 129154 129211

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129263 129292 129315 129375 129376 129383 129386 129429
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133114 133328 133369 133432 133437 133490 133493 133496
133497 133508 133513 133515 133532 133535 133548 133551
133555 133562 133576 133579 133595 133596 133599 133652
133667 133685 133706 133761 133706 133774 133776 133801
133817 133818 133830 134312 135355 135440 135599 135873
136249 136307 136598 136655 136705 136706 136749 136770
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138644 138645 138650 138651 138655 138701 138725 138826
138916 139013 139115 139182 139296 139439 139493 139529
140080 140107 140151 140265 140438 140439 140457 140569
140591 140668 140679 140705 140720 140741 140768 140774
140777 140789 140792 140795 140808 140813 140821 140823
140833 140873 140888 140893 140897 140927 140930 140931
140936 140949 140962 140963 140965 140969 140979 140980
140992 140998 141000 141046 141058 141061 141067 141101
141246
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RESTORATION PROCEEDINGS

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of patent No. 123176 granted to Tsentralny Nauchno-Issledovatalsky Institut Teknologii Mashinostroenia for an invention relating to a method of preparing a liquid self hardening mixture for the production of foundry cores and moulds. The patent ceased on the 16th September, 1976 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, part III, Section 2, dated the 29th October 1977.

Any interested person may give notice of opposition to the restoration by leaving a notice on form 32 in duplicate with the Controller of Patents, The Patent Office, 214, Acharyn Jagadish Bose Road, Calcutta-17 on or before the 26th January 1978 under Rule 69 of the Patents Rules, 1972 A written statement in triplicate setting out the nature of the Opponent's interest, the fact upon which he bases his case and the relief he seeks, shall be filed with the notice of within one month from the date of the notice.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs

The date shown in each entry is the date of registration of designs included in the entry.

- Class 1. No. 145105. Liska Enterprises, A-27/14. Street No. 4, Industrial Area, Anand Parbat Road, New Delhi-110005. (An Indian Partnership Concern). "Mirror", January 15, 1977.
- Class 1. No 145228 Kantilal & Bros, a registered Indian Partnership firm, at D/48, Sarvodaya Nagar, Panjropole Road, Bombay-400004, Maharashtra (India). "Chafing dish stand". February 16, 1977
- Class 1. No. 145260. Shivshakti Emery Stone Manufacturing Company. 2587/4, Shahpur Chakla, Opp Vadvalt Mehta'a Pole, Ahmedabad-380001 (Gujarat), India. "Emery stone". February 21, 1977
- Class 1 Nos. 145370 & 145371. Bharatkumar Dahyabhai Patel, Indian National, of Kuwari Road, Dungri, Shantabai's Chawl, Room No 4, Malad (East), Bombay-400064, State of Maharashtra, India "Hinges" March 23, 1977
- Class 1. No. 145379, Novelties Perfection, Sarai Crulzari Mal, Lal Masjid Road, Moradabad-144001, U.P. (an Indian Partneisrip Concern) "Huqqa" March 25
- Class I No 145454 Subbiah Sivanesan, No 30, Perianna Maistry Street, Madras 600003, Tamil Nadu, India, Indian National. "Ovens". April 16, 1977
- Class 1 No 145465. Baldev Meherchand Gupta, an Indian citizen at 'Sarnath'-B-Bldg, Sophia College Road, Bhulabhai Desai Road, Bombay-400026, Maharashtra, India "Perforated closure" April 20, rashtra, India 1977.

- Class 1. No. 145470. Raj Metal Industries, Bharucha Stable No. 2, Pais Street, Bombay 400011, Maharashtra State, India, an Indian Partnership Firm. "Burner". April 22, 1977.
- Class 1 No 145471 Skil Products 84/94, Central Studio House, Neai Aircondition Market, Tardeo, Bom-bay-34, Maharashtra, an Indian Partnership firm "Bottle opener". April 22, 1977.
- Class 3. Nos. 145095 & 145096. Arun Industries, Pender Galli, Hubli-580020, Karnataka, Indian Partnership firm "Bottles". January 11, 1977.
- Class 3. No. 145200. Wagheswari Industries, Near Dena Bank Bhayandar, Dist. Thana, Maharashtra State, India, an Indian Partnership Firm. "Bangle". February 7.
- Class 3. No 145432. Twinkle Products, an Indian Partnership Firm, at 11, Ardeshwar Dadi Cross Lanc. 1st Floor, Bombay-400004, Maharashtra, India. "Smoother-cum-toy" April 11, 1977.
- Class 3. No. 145448 Dunlop India Limited, an Indian Company of Dunlop House, 57-B, Mirza Ghalib Street, Calcutta-700016, West Bengal, India. "Tyre for a vehicle wheel". April 12, 1977.
- Class 3. No. 145459. Amber Television Private Limited (A or 143439, Alliber Television (11740) Throat Limited the Indian Companies Act), B-20/21, Nandjyot Industrial Estate, Andheri Kurla Road, Bombay-400072, Maharashtra, India "Television cabinet" April 19, 1977.
- Class 3. Nos. 145480 & 145481 Bata India Limited, a public limited company incorporated under the Indian Companies Act, at No 30, Shakespeare Saram, in the town of Calcutta, West Bengal, India "A sole for footwear" April 25, 1977.
- Class 3. No. 145486. Murphy India Limited, an Indian Company, existing under the Companies Act, 1956 at "NIRMAL", 241-242, Backbay Reclamation, Nariman Point, Bombay-400021, State of Maha rashtra, India "A radio-cum-transistor case", "A radio-cum-transistor case" April 27, 1977.
- Class 3. No. 145583 Colgate-Palmolive Company, a corpora tion duly organized under the laws of the State of Delaware, United States of America, of 300 Park Avenue, New York, New York 10022 United States of America, "Games rocket". May 16, 1977.
- Class 3 No 145591 Plastic Arts & Teeceekem (India) an Indian Partnership Firm, at Agarwal Estate, S V. Road, Jogeshwari, Bombay-400060, Maharashtra India, "Ash tray" May 17, 1977
- Class 3 No. 145593 Santosh Kumar Kataruka, an National, trading as—Indian Cosmetics of 357, Raja Naba Kissen Street, Calcutta-5, West Bengal, India "Container" May 18, 1977.
- Class 4 No 145464 Baldev Meharchand Gupta, an Indian Citizen, at 'Sarnath' -B-Bldg, Sophia College Road Bhulabhai Desai Road, Bombay-400026, Maha rashtra, India "A bottle" April 20, 1977 April 20, 1977
- Class 4. No 145489 Lakme Limited, of Bombay House, 24, Homi Mody Street, Bombay-400023, Maharashtra India, an Indian Company, "Bottle". April 28
- Class 10. No 145330 Super Plastic Industries, 56-B, Rama Marg Industrial Area, New Delhi-110015, India an Indian Partnership firm "Shoc", March 9, 1977
- Class 10. No. 145479. Bata India Limited, a public limited company incorporated under the Indian Companies Act, at No 30, Shakespeare Saiani, in the town of Calcutta, West Bengal, India. "Footweat' April 25, 1977.

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Design No 131667

Class 1

S VEDAR \MAN

Controller-General of Patent, Designs and Trade Marks